

10/528 246

DT-5 Rec'd PCT/PTO 17 MAR 2005

Express Mail Label No.

Dated: \_\_\_\_\_

Docket No.: 20345/0202513-USO  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Byong-Sung Kwak et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: CONTINUOUS PROCESS FOR THE  
PRODUCTION OF OPTICALLY PURE (S)- $\beta$ -  
HYDROXY- $\gamma$ -BUTYROLACTONE

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A summary/abstract translation of the non-English language documents is enclosed.

Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 CFR 1.98(a)(2)(i), a copy of United States Patent on PTO/SB/08 is not submitted.

DT15 Rec'd PCT/PTO 17 MAR 2005

Application No.: Not Assigned

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Docket No.: 20345/0202513-US0

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is “prior art” for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: March 16, 2005

Respectfully submitted,

By [Signature] F. Y. W. BARRISON (53,970)

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	Not Yet Assigned <b>10/528246</b>	
			Filing Date	Concurrently Herewith	
			First Named Inventor	Byong-Sung Kwak	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	20345/0202513-US0

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-5,292,939-A	03-08-1994	Board of Trustees operating Michigan State University	
	AB	US-5,319,110-A	06-07-1994	Board of Trustees operating Michigan State University	
	AC	US-5,374,773-A	12-20-1994	Board of Trustees operating Michigan State University	
	AD	US-5,808,107-A	09-15-1998	Board of Trustees operating Michigan State University	
	AE	US-5,998,633-A	12-07-1999	Warner-Lambert Company	
	AF	US-6,221,639-B1	04-24-2001	Samsung Fine Chemicals Co., Ltd.	
	AG	US-5,473,104-A	12-05-1995	Neurocrine Biosciences, Inc.	
	AH	US-6,355,848-B1	03-12-2002	Bayer Aktiengesellschaft	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	BA	WO-02/10147-A1	02-07-2002	SK Corporation		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	International Search Report for PCT/KR02/01775 mailed on June 19, 2003	
	CB	Patent Abstracts of Japan for 04-266881 published on September 22, 1992	
	CC	Patent Abstracts of Japan for 06-172256 published on June 21, 1994	
	CD	TANAKA, AKIRA et al., 'A novel synthesis of (R)- and (S)-4-hydroxytetrahydrofuran -2-ones', Synthesis, 1987 No. 6, pp. 570-3	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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